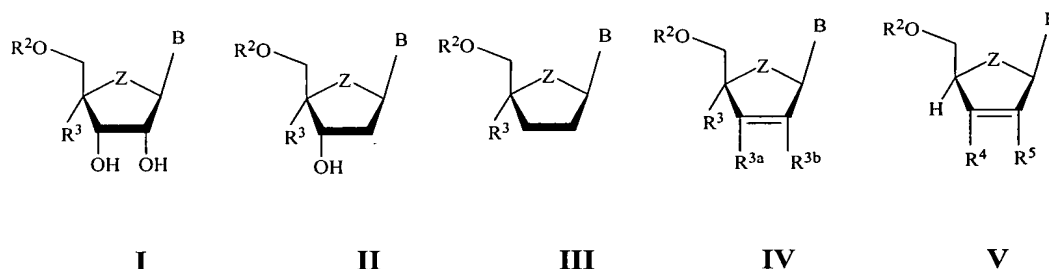
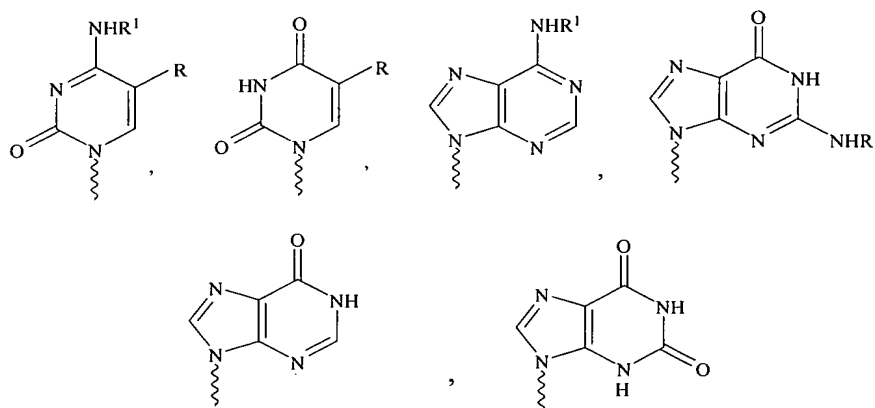


ABSTRACT

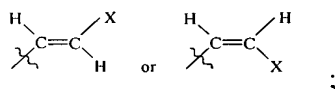
The present invention relates to novel compounds according to the to the general formulas I, II, III, IV or V:



wherein B is nucleoside base according to the structure:



R is H, F, Cl, Br, I, C₁-C₄ alkyl (preferably CH₃), -C≡N, -C≡C-R_a,

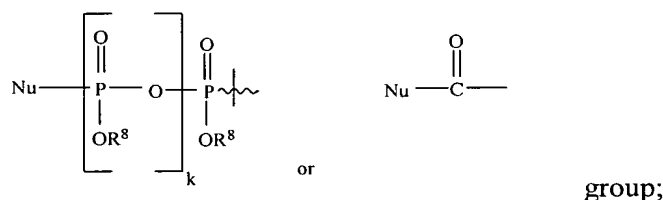


X is H, C₁-C₄ alkyl (preferably, CH₃), F, Cl, Br or I;

Z is O or CH₂, with the proviso that Z is CH₂ and not O when the compound is according to general formula II, R³ is -C≡C-H and R² is H or a phosphate, diphosphate, triphosphate or phosphotriester group;

R¹ is H, an acyl group, a C₁-C₂₀ alkyl or an ether group;

R^2 is H, an acyl group, a C_1 — C_{20} alkyl or ether group, a phosphate, diphosphate, triphosphate, phosphodiester group or a

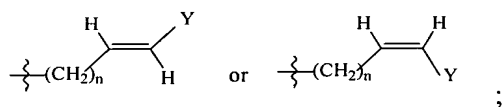


Nu is a radical of a biologically active antiviral compound such that an amino group or hydroxyl group from said biologically active antiviral compound forms a phosphate, phosphoramidate, carbonate or urethane group with the adjacent moiety;

R^8 is H, or a C_1 - C_{20} alkyl or ether group, preferably a C_1 - C_{12} alkyl group;

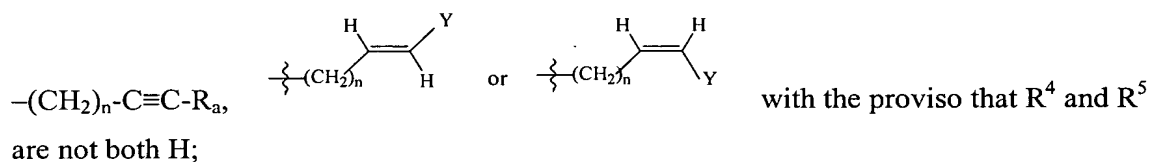
k is 0-12, preferably, 0-2;

R^3 is selected from a C_1 - C_4 alkyl (preferably, CH_3), $-(\text{CH}_2)_n-\text{C}\equiv\text{C}-\text{R}_a$,



R^{3a} and R^{3b} are independently selected from H, F, Cl, Br or I ;

R^4 and R^5 are independently selected from H, F, Cl, Br, I, OH, C_1 - C_4 alkyl (preferably, CH_3),



R_a is H, F, Cl, Br, I, or $-C_1$ - C_4 alkyl, preferably H or CH_3 ;

Y is H, F, Cl, Br, I or $-C_1$ - C_4 alkyl, preferably H or CH_3 ; and

n is 0, 1, 2, 3, 4 or 5, preferably 0, 1 or 2;

and their anomers, pharmaceutically acceptable salts, solvates, or polymorphs thereof.